Electrical Code must be available for inspection by ATF officers.

 $\S 555.218$ Table of distances for storage of explosive materials.

Quantity of explosives		Distances in feet							
Pounds over	Pounds not over	Inhabited buildings		Public highways with traffic volume of 3000 or fewer vehicles/day		Passenger railways— public highways with traf- fic volume of more than 3,000 vehicles/day		Separation of magazines	
		Barri- caded	Unbarricaded	Barri- caded	Unbarricaded	Barri- caded	Unbarricaded	Barri- caded	Unbarricadeo
0	5	70	140	30	60	51	102	6	1
.5	10	90	180	35	70	64	128	8	1
10	20	110	220	45	90	81	162	10	2
20 30	30 40	125 140	250 280	50 55	100 110	93 103	186 206	11 12	2
40	50	150	300	60	120	110	220	14	2
50	75	170	340	70	140	127	254	15	3
75	100	190	380	75	150	139	278	16	
100	125	200	400	80	160	150	300	18	3
125	150	215	430	85	170	159	318	19	3
150	200	235	470	95	190	175	350	21	4
200	250	255	510	105	210	189	378	23	2
250 300	300 400	270 295	540 590	110 120	220 240	201 221	402 442	24 27	5
400	500	320	640	130	260	238	476	27	
500	600	340	680	135	270	253	506	31	6
600	700	355	710	145	290	266	532	32	é
700	800	375	750	150	300	278	556	33	6
800	900	390	780	155	310	289	578	35	7
900	1,000	400	800	160	320	300	600	36	7
1,000	1,200	425	850	165	330	318	636	39	3
1,200	1,400	450	900	170	340	336	672	41	8
1,400 1,600	1,600 1,800	470 490	940 980	175 180	350 360	351 366	702 732	43 44	8
1,800	2,000	505	1,010	185	370	378	756	45	9
2,000	2,500	545	1,090	190	380	408	816	49	Ş
2,500	3,000	580	1,160	195	390	432	864	52	10
3,000	4,000	635	1,270	210	420	474	948	58	11
4,000	5,000	685	1,370	225	450	513	1,026	61	12
5,000	6,000	730	1,460	235	470	546	1,092	65	13
6,000	7,000	770	1,540	245	490	573	1,146	68	13
7,000	8,000 9,000	800 835	1,600	250 255	500 510	600 624	1,200	72 75	14 15
8,000 9,000	10,000	865	1,670 1,730	260	520	645	1,248 1,290	78	15
10,000	12,000	875	1,750	270	540	687	1,374	82	16
12,000	14,000	885	1,770	275	550	723	1,446	87	17
14,000	16,000	900	1,800	280	560	756	1,512	90	18
16,000	18,000	940	1,880	285	570	786	1,572	94	18
18,000	20,000	975	1,950	290	580	813	1,626	98	19
20,000	25,000	1,055	2,000	315	630	876	1,752	105	21
25,000	30,000	1,130	2,000	340	680	933	1,866	112	22
30,000 35,000	35,000 40,000	1,205 1,275	2,000 2,000	360 380	720 760	981 1,026	1,962 2,000	119 124	23 24
40,000	45,000	1,275	2,000	400	800	1,026	2,000	124	25
45,000	50,000	1,400	2,000	420	840	1,104	2,000	135	27
50,000	55,000	1,460	2,000	440	880	1,140	2,000	140	28
55,000	60,000	1,515	2,000	455	910	1,173	2,000	145	29
60,000	65,000	1,565	2,000	470	940	1,206	2,000	150	30
65,000	70,000	1,610	2,000	485	970	1,236	2,000	155	3′
70,000	75,000	1,655	2,000	500	1,000	1,263	2,000	160	3:
75,000	80,000	1,695	2,000	510	1,020	1,293	2,000	165	33
80,000	85,000	1,730	2,000	520	1,040	1,317	2,000	170	34
85,000	90,000	1,760	2,000	530	1,060	1,344	2,000	175	3
90,000 95,000	95,000 100,000	1,790 1,815	2,000 2,000	540 545	1,080 1,090	1,368 1,392	2,000 2,000	180 185	30
100,000	110,000	1,835	2,000	550	1,100	1,437	2,000	195	3
110,000	120,000	1,855	2,000	555	1,110	1,437	2,000	205	4
120,000	130,000	1,875	2,000	560	1,120	1,521	2,000	215	43
130,000	140,000	1,890	2,000	565	1,130	1,557	2,000	225	45
140.000	150.000	1.900	2.000	570	1.140	1.593	2.000	235	47

Quantity of explosives		Distances in feet							
Pounds over	Pounds not over	Inhabited buildings		Public highways with traffic volume of 3000 or fewer vehicles/day		Passenger railways— public highways with traf- fic volume of more than 3,000 vehicles/day		Separation of maga- zines	
		Barri- caded	Unbarricaded	Barri- caded	Unbarricaded	Barri- caded	Unbarricaded	Barri- caded	Unbarricaded
150,000	160,000	1,935	2,000	580	1,160	1,629	2,000	245	490
160,000	170,000	1,965	2,000	590	1,180	1,662	2,000	255	510
170,000	180,000	1,990	2,000	600	1,200	1,695	2,000	265	530
180,000	190,000	2,010	2,010	605	1,210	1,725	2,000	275	550
190,000	200,000	2,030	2,030	610	1,220	1,755	2,000	285	570
200,000	210,000	2,055	2,055	620	1,240	1,782	2,000	295	590
210,000	230,000	2,100	2,100	635	1,270	1,836	2,000	315	630
230,000	250,000	2,155	2,155	650	1,300	1,890	2,000	335	670
250,000	275,000	2,215	2,215	670	1,340	1,950	2,000	360	720
275,000	300,000	2,275	2,275	690	1,380	2,000	2,000	385	770

TABLE: AMERICAN TABLE OF DISTANCES FOR STORAGE OF EXPLOSIVES (DECEMBER 1910), AS REVISED AND APPROVED BY THE INSTITUTE OF MAKERS OF EXPLOSIVES—JULY, 1991.

Notes to the Table of Distances for Storage of Explosives

- (1) Terms found in the table of distances for storage of explosive materials are defined in §555.11.
- (2) When two or more storage magazines are located on the same property, each magazine must comply with the minimum distances specified from inhabited buildings, railways, and highways, and, in addition, they should be separated from each other by not less than the distances shown for "Separation of Magazines," except that the quantity of explosives contained in cap magazines shall govern in regard to the spacing of said cap magazines from magazines containing other explosives. If any two or more magazines are separated from each other by less than the specified "Separation of Magazines" distances, then such two or more magazines, as a group, must be considered as one magazine, and the total quantity of explosives stored in such group must be treated as if stored in a single magazine located on the site of any magazine of the group, and must comply with the minimum of distances specified from other magazines, inhabited buildings, railways, and highways.
- (3) All types of blasting caps in strengths through No. 8 cap should be rated at $1\frac{1}{2}$ lbs. (1.5 lbs.) of explosives per 1,000 caps. For strengths higher than No. 8 cap, consult the manufacturer.
- (4) For quantity and distance purposes, detonating cord of 50 or 60 grains per foot should be calculated as equivalent to 9 lbs. of high explosives per 1,000 feet. Heavier or

lighter core loads should be rated proportionately.

[T.D. ATF-87, 46 FR 40384, Aug. 7, 1981, as amended by T.D. ATF-400, 63 FR 45003, Aug. 24, 1998; T.D. ATF-446, 66 FR 16602, Mar. 27, 2001; T.D. ATF-446a, 66 FR 19089, Apr. 13, 20011

§ 555.219 Table of distances for storage of low explosives.

Pou	ınds	From in-	From pub- lic railroad	From	
Over Not over		building distance (feet)	and high- way dis- tance (feet)	ground magazine (feet)	
0	1,000	75	75	50	
1,000	5,000	115	115	75	
5,000	10,000	150	150	100	
10,000	20,000	190	190	125	
20,000	30,000	215	215	145	
30,000	40,000	235	235	155	
40,000	50,000	250	250	165	
50,000	60,000	260	260	175	
60,000	70,000	270	270	185	
70,000	80,000	280	280	190	
80,000	90,000	295	295	195	
90,000	100,000	300	300	200	
100,000	200,000	375	375	250	
200,000	300,000	450	450	300	

§ 555.220 Table of separation distances of ammonium nitrate and blasting agents from explosives or blasting agents.

Table: Department of Defense Ammunition and Explosives Standards, Table 5–4.1 Extract; 4145.27 M, March 1969

Donor wei	ght (pounds)	Minimum distance d		
		from donor	Minimum thickness of artificial	
Over	Not over	Ammo- nium ni- trate	Blasting agent	barricades (in.)
	100	3	11	12